

Figure 10.--Locations of wells in the Northern Lake County, IN network.

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

The following tables (1-5) list characteristics of water wells, surface-water-stage measurement sites, and results of miscellaneous measurements of ground-water level and surface-water stage in Northern Lake County, Indiana. Data presented here have been collected periodically since 1985 to provide a base of information to evaluate ground-water-flow directions and ground-water/surface-water interactions. Locations of wells and surface-water sites are shown in figure 10.

Table 1. Characteristics of observation wells in the Northern Lake County network.

USGS, U.S. Geological Survey; Auger, hollow-stem auger; SS, stainless steel; CA, Calumet aquifer; USEPA, U.S. Environmental Protection Agency; PVC, polyvinyl chloride; n.a., not applicable; ?, not known; GAA, Gary Airport Authority; USX, USX Corporation; ISPAT, ISPAT Inland Incorporated.

Well name	Well owner	Latitude/longitude	USGS site identifier	Date drilled (month-year)	Method of installation	Land surface, in feet above sea level	Open interval, in feet below land surface	Screen and casing material	Aquifer and relative vertical position of open interval in aquifer
A-1	USGS	41°36' 47"/87°19' 19"	413647087191901	07-85	Auger	604	18-21	SS 304	CA Top
A-2	USGS	41°37' 06"/87°18' 18"	413706087181800	06-87	Auger	603	34-39	SS 316L	CA Middle
A-3	USGS	41°36' 31"/87°18' 20"	413631087182000	06-87	Hand driven	590	3-6	SS 316L	CA Top
A-4	USGS	41°36' 30"/87°18' 16"	413630087182100	06-87	Auger	603	18-23	SS 316L	CA Middle
A-5	USGS	41°36' 29"/87°19' 21"	413629087192102	12-85	Auger	601	18-21	SS 304	CA Top
A-6	USGS	41°37' 06"/87°17' 01"	413706087170101	06-87	Hand driven	588	4-7	SS 316L	CA Top
A-10	USGS	41°36' 26"/87°19' 19"	413626087191901	07-85	Hand driven	590	12-15	SS 304	CA Top
A-15	USGS	41°36' 17"/87°19' 12"	413617087191201	07-85	Hand driven	591	2-5	SS 304	CA Top
A-20	USGS	41°35' 03"/87°19' 35"	413503087193501	12-85	Auger	614	21-24	SS 304	CA Top
B-1	USGS	41°36' 37"/87°23' 43"	413637087234301	08-85	Hand driven	585	9-12	SS 304	CA Top
B-2	USGS	41°37' 52"/87°22' 35"	413752087223500	06-87	Auger	608	43-48	SS 316L	CA Middle
B-3	USGS	41°36' 33"/87°22' 20"	413633087222000	06-87	Auger	594	18-23	SS 316L	CA Middle
B-5	USGS	41°36' 32"/87°23' 40"	413632087234001	08-85	Hand driven	589	8-11	SS 304	CA Top
B-7	USGS	41°36' 16"/87°22' 51"	413617087225202	06-87	Hand driven	596	8-11	SS 316L	CA Top
B-8	USGS	41°36' 17"/87°22' 51"	413617087225201	06-87	Auger	596	32-37	SS 316L	CA Bottom
B-10	USGS	41°35' 44"/87°23' 37"	413544087233700	12-85	Auger	607	17-20	SS 304	CA Top
BH-12	USEPA	41°36' 20"/87°20' 44"	413620087204401	06-92	Mud rotary	601	10-20	PVC	CA Top
BH-13	USEPA	41°35' 48"/87°20' 40"	413548087204001	06-92	Mud rotary	603	9-19	PVC	CA Top
BH-14	USEPA	41°34' 45"/87°20' 47"	413445087204701	06-92	Mud rotary	610	9-19	PVC	CA Top
BH-15	USEPA	41°41' 20"/87°30' 47"	414120087304701	06-92	Mud rotary	585	10-15	PVC	CA Top

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 1. Characteristics of observation wells in the Northern Lake County network.--Continued

Well name	Well owner	Latitude/longitude	USGS site identifier	Date drilled (month-year)	Method of installation	Land surface, in feet above sea level	Open interval, in feet below land surface	Screen and casing material	Aquifer and relative vertical position of open interval in aquifer
BH-17	USEPA	41°37' 06"/87°15' 07"	413706087150701	06-92	Mud rotary	599	10-20	PVC	CA Top
BH-19	USEPA	41°35' 16"/87°22' 23"	413516087222301	06-92	Mud rotary	602	10-20	PVC	CA Top
BH-20	USEPA	41°36' 15"/87°20' 13"	413615087201301	06-92	Mud rotary	600	14-24	PVC	CA Top
BH-31	USEPA	41°39' 47"/87°30' 25"	413947087302501	04-93	Mud rotary	598	18-28	PVC	CA Top
BH-32-D	USGS	41°39' 49"/87°30' 19"	413949087301901	07-96	Auger	597	36-38.5	PVC	CA Bottom
BH-32-I	USGS	41°39' 49"/87°30' 19"	413949087301902	07-96	Auger	597	26.4-28.9	PVC	CA Middle
BH-32-SH	USGS	41°39' 49"/87°30' 19"	413949087301903	07-96	Auger	597	21.6-23.1	PVC	CA Top
BH-32-SL	USGS	41°39' 49"/87°30' 19"	413949087301904	07-96	Auger	597	7.4-19.9	PVC	Slag Bottom
BH-33-I	USGS	41°39' 51"/87°30' 19"	413951087301901	07-96	Auger	585	11.5-14	PVC	CA Middle
BH-33-SH	USGS	41°39' 51"/87°30' 19"	413951087301902	07-96	Auger	585	7.6-10.1	PVC	CA Top
BH-33-SL	USGS	41°39' 51"/87°30' 19"	413951087301903	07-96	Auger	585	2.5-5	PVC	Slag Bottom
BH-34-D	USGS	41°39' 54"/87°30' 19"	413954087301901	07-96	Hand driven	580	4.4-6.4	PVC	CA Top
BH-34-SH	USGS	41°39' 54"/87°30' 19"	413954087301902	07-96	Hand driven	581	1.8-3.8	PVC	Slag Bottom
BR-1	USGS	41°33' 28"/87°20' 24"	413328087202301	12-93	Mud rotary	595	135-145	PVC	Devonian
BR-2	USGS	41°34' 37"/87°15' 06"	413437087150601	12-93	Mud rotary	600	136-146	PVC	Silurian
BR-3	USGS	41°34' 19"/87°30' 17"	413419087301701	11-94	Mud rotary	595	137-147	PVC	Silurian
BR-4	USGS	41°37' 17"/87°23' 26"	413716087232601	11-94	Mud rotary	595	138-148	PVC	Silurian
BR-5	USEPA	41°37' 32"/87°25' 58"	413732087255801	06-95	Mud rotary	587	146-156	PVC	Silurian
C-1	USGS	41°38' 30"/87°26' 00"	413830087260000	12-85	Auger	587	4-7	SS 304	CA Top
C-2	USGS	41°40' 30"/87°24' 51"	414031087245000	06-87	Auger	594	13-18	SS 316L	CA Top
C-3	USGS	41°38' 27"/87°25' 16"	413828087251301	06-87	Auger	589	23-28	SS 316L	CA Middle
C-4	USGS	41°38' 27"/87°25' 16"	413828087251302	06-87	Auger	589	8-13	SS 316L	CA Top
C-5	USGS	41°36' 55"/87°26' 20"	413655087275202	07-85	Hand driven	584	2-5	SS 304	CA Top
C-10	USGS	41°36' 50"/87°26' 20"	413652087274901	07-85	Hand driven	584	1-4	SS 304	CA Top
C-12	USGS	41°36' 50"/87°26' 20"	413650087262000	06-87	Auger	584	13-18	SS 316L	CA Middle

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 1. Characteristics of observation wells in the Northern Lake County network.--Continued

Well name	Well owner	Latitude/longitude	USGS site identifier	Date drilled (month-year)	Method of installation	Land surface, in feet above sea level	Open interval, in feet below land surface	Screen and casing material	Auqifer and relative vertical position of open interval in aquifer
C-15	USGS	41°36' 48"/87°26' 20"	413650087274802	07-85	Hand driven	583	1-4	SS 304	CA Top
C-17 ¹	USGS	41°35' 59"/87°27' 03"	413559087270301	07-86	Mud rotary	592	18-23	?	CA Bottom
C-18	USGS	41°36' 07"/87°25' 22"	413607087252200	06-87	Auger	595	17-22	SS 316L	CA Bottom
C-19	USGS	41°36' 17"/87°26' 20"	413617087262001	12-86	Hand driven	592	2-5	SS 304	CA Top
C-20	USGS	41°35' 57"/87°26' 11"	413557087283901	07-85	Hand driven	593	3-6	SS 304	CA Top
C-25	USGS	41°35' 27"/87°25' 43"	413527087270301	07-85	Hand driven	599	2-5	SS 304	CA Top
CGA-3	GAA	41°37' 22"/87°25' 13"	413722087251301	pre-1985	?	590	?	PVC	CA ?
CGA-4	GAA	41°37' 19"/87°25' 19"	413719087251901	pre-1985	?	591	?	PVC	CA ?
D-1	USGS	41°40' 52"/87°29' 12"	414052087291201	07-85	Hand driven	590	8-11	SS 304	CA Top
D-5	USGS	41°40' 44"/87°29' 08"	414044087290801	07-85	Hand driven	588	2-7	SS 304	CA Top
D-10	USGS	41°40' 43"/87°29' 08"	414043087290802	07-85	Hand driven	588	7-10	SS 304	CA Top
D-11	USGS	41°40' 43"/87°29' 08"	414043087290801	06-87	Auger	588	17-22	SS 316L	CA Middle
D-20	USGS	41°39' 41"/87°29' 00"	413941087290000	07-85	Hand	588	6-9	SS 304	CA Top
D-21	USGS	41°39' 41"/87°29' 26"	413941087292600	06-87	Auger	584	13-18	SS 316L	CA Middle
D-25	USGS	41°39' 09"/87°28' 03"	413804087291102	07-85	Hand driven	588	5-8	SS 304	CA Top
D-30	USGS	41°39' 07"/87°27' 58"	413758087290702	07-85	Hand driven	586	6-9	SS 304	CA Top
D-31	USGS	41°39' 07"/87°27' 58"	413907087275901	06-87	Auger	586	12-17	SS 316L	CA Middle
D-35	USGS	41°39' 06"/87°27' 57"	413757087290601	07-85	Hand driven	586	4-7	SS 304	CA Top
D-40	USGS	41°38' 35"/87°28' 51"	413835087245101	07-85	Hand driven	584	4-7	SS 304	CA Top
D-45	USGS	41°38' 12"/87°27' 02"	413812087270201	07-85	Hand driven	586	6-9	SS 304	CA Top
D-50	USGS	41°38' 00"/87°28' 54"	413800087285401	12-85	Hand driven	585	9-12	SS 304	CA Top
D-55	USGS	41°37' 58"/87°28' 14"	413758087281401	07-85	Hand driven	585	5-8	SS 304	CA Top
D-60	USGS	41°37' 58"/87°28' 10"	413758087281001	07-85	Hand driven	587	5-8	SS 304	CA Top
D-66	USGS	41°36' 54"/87°27' 40"	413654087274000	06-87	Auger	587	17-22	SS 316L	CA Middle
D-67	USGS	41°36' 47"/87°28' 25"	413647087282502	06-87	Hand driven	589	4-7	SS 316L	CA Top

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GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 1. Characteristics of observation wells in the Northern Lake County network.--Continued

Well name	Well owner	Latitude/longitude	USGS site identifier	Date drilled (month-year)	Method of installation	Land surface, in feet above sea level	Open interval, in feet below land surface	Screen and casing material	Auqifer and relative vertical position of open interval in aquifer
D-68	USGS	41°36' 47"/87°28' 25"	413647087282501	06-87	Auger	589	18-23	SS 316L	CA Middle
D-70	USGS	41°35' 15"/87°29' 15"	413515087291401	07-85	Hand driven	603	6-9	SS 304	CA Top
D-75	USGS	41°34' 34"/87°29' 19"	413435087291901	07-85	Hand driven	601	5-8	SS 304	CA Top
E-1	USGS	41°38' 44"/87°31' 04"	413844087310401	07-85	Hand driven	582	5-8	SS 304	CA Top
E-2	USGS	41°41' 05"/87°29' 39"	414105087293900	06-87	Hand driven	585	3-6	SS 316L	CA Top
E-3	USGS	41°40' 13"/87°30' 33"	414013087303300	06-87	Auger	585	8-13	SS 316L	CA Middle
E-5	USGS	41°38' 10"/87°30' 52"	413810087305201	07-85	Hand driven	587	9-12	SS 304	CA Top
E-6	USGS	41°39' 38"/87°30' 43"	413938087304301	06-87	Auger	586	17-22	SS 316L	CA Bottom
E-7	USGS	41°39' 38"/87°30' 43"	413938087304302	06-87	Hand driven	586	2-5	SS 316L	CA Top
E-10	USGS	41°37' 22"/87°30' 41"	413722087304101	07-85	Hand driven	586	6-9	SS 304	CA Top
E-15	USGS	41°37' 20"/87°30' 42"	413720087 304201	07-85	Hand driven	584	11-14	SS 304	CA Top
E-20	USGS	41°36' 27"/87°31' 05"	413627087310500	07-85	Hand driven	592	5-8	SS 304	CA Top
HWD2-19D	USX	41°37' 06"/87°17' 19"	413706087171901	12-93	Auger	598	47-57	PVC	CA Bottom
HWD2-19S	USX	41°37' 06"/87°17' 19"	413706087171902	12-93	Auger	598	6-21	PVC	CA Top
HWD2-20D	USX	41°37' 03"/87°17' 15"	413703087171501	12-93	Auger	617	62-72	PVC	CA Middle
HWD2-20S	USX	41°37' 03"/87°17' 15"	413703087171502	12-93	Auger	617	23-38	PVC	CA Middle
HWT2-9	USX	41°37' 52"/87°22' 35"	413752087223501	04-84	Auger	608	50-70	PVC	Slag + CA
HWT2-10	USX	41°37' 32"/87°23' 22"	413732087232201	04-84	Auger	589	24-44	PVC	CA Top
HWT2-12D	USX	41°37' 38"/87°22' 48"	413738087224803	03-91	Auger	600	49-59	PVC	CA Bottom
HWT2-12S	USX	41°37' 38"/87°22' 48"	413738087224801	03-91	Auger	601	14-29	PVC	Slag and CA
HWT14-5	USX	41°37' 22"/87°22' 55"	413722087225501	04-84	Auger	589	37-47	PVC	CA Bottom
P-4	USX	41°37' 44"/87°22' 39"	413744087223901	04-84	Auger	603	25-35	PVC	Slag
P-11	USX	41°37' 34"/87°22' 51"	413734087225101	04-84	Auger	596	15-25	PVC	CA Top
MW-1	USEPA	41°41' 44"/87°30' 41"	414144087304101	?	Auger	591	21-24	SS 304	CA Bottom
MW-1G	ISPAT	41°40' 33"/87°24' 55"	414033087245501	?	Drilled	594	?-13	PVC	Slag
MW-2	ISPAT	41°40' 33"/87°24' 55"	414033087245502	?	Drilled	594	?-124	PVC	Silurian

¹This well also known as LK-13, a continuous recording water-level well operated by the USGS as part of a statewide ground-water-data network. Water levels for LK-13 are published in the U.S. Geological Survey water data reports, IN-87-1 to IN-03-1, and on page 445 of this report.

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 2. Period of record for observation wells in the Northern Lake County network.

Well name	Period of Record		Well name	Period of Record	
	Beginning (month-year)	End (month-year)		Beginning (month-year)	End (month-year)
A-1	10-1985	07-2004	C-19	12-1986	07-2004
A-2	06-1987	07-2004	C-20	08-1985	04-2004
A-3	06-1987	03-1998	C-25	12-1985	07-2004
A-4	06-1987	07-2003	CGA-3	10-1985	03-1999
A-5	12-1985	07-2004	CGA-4	10-1985	08-1999
A-6	07-1987	04-2004	D-1	08-1985	07-2004
A-10	10-1985	04-2004	D-5	08-1985	07-2004
A-15	10-1985	07-2004	D-10	08-1985	07-2004
A-20	01-1986	07-2004	D-11	06-1987	07-2004
B-1	08-1985	09-1999	D-20	08-1985	01-1995
B-2	06-1987	07-2004	D-21	07-1987	07-2004
B-3	07-1987	06-2000	D-25	12-1985	07-2004
B-5	08-1985	07-2004	D-30	12-1985	07-2004
B-7	06-1987	07-2004	D-31	07-1987	04-2004
B-8	07-1987	07-2004	D-35	12-1985	06-2001
B-10	12-1985	07-2004	D-40	10-1985	07-2004
BH-12	06-1992	07-2004	D-45	10-1985	07-2004
BH-13	06-1992	07-2004	D-50	12-1985	07-2004
BH-14	06-1992	07-2004	D-55	10-1985	01-1995
BH-15	06-1992	07-2004	D-60	10-1985	04-2004
BH-17	06-1992	07-2004	D-66	07-1987	04-2004
BH-19	06-1992	07-2004	D-67	07-1987	07-2004
BH-20	06-1992	09-1998	D-68	07-1987	07-2004
BH-31	04-1993	09-1998	D-70	01-1986	09-2002
BH-32-D	07-1996	09-2001	D-75	01-1986	07-2004
BH-32-I	07-1996	09-2001	E-1	12-1985	07-2004
BH-32-S	07-1996	09-2001	E-2	06-1987	07-2004
BH-32-SL	07-1996	09-2001	E-3	06-1987	07-2004
BH-33-I	07-1996	07-2004	E-5	08-1985	07-2004
BH-33-S	07-1996	07-2004	E-6	06-1987	07-2004
BH-33-SL	07-1996	07-2004	E-7	06-1987	07-2004
BH-34-D	06-1996	07-1998	E-10	10-1985	07-2004
BH-34-SH	06-1996	07-1998	E-15	10-1985	07-2004
BR-1	01-1995	07-2004	E-20	08-1985	07-2004
BR-2	01-1995	07-2004	HWD2-19D	07-1995	07-2004
BR-3	07-1995	07-2004	HWD2-19S	07-1995	07-2004
BR-4	07-1995	07-2004	HWD2-20D	07-1996	07-2004
BR-5	07-1995	07-2004	HWD2-20S	07-1996	07-2004
C-1	12-1985	07-2004	HWT2-9	12-1985	07-2004
C-2	07-1987	09-1998	HWT2-10	12-1985	12-1997
C-3	06-1987	07-2004	HWT2-12D	12-1992	12-1998
C-4	06-1987	07-2004	HWT2-12S	06-1992	12-1998
C-5	10-1985	04-2004	HWT14-5	12-1985	07-2004
C-10	10-1985	04-2004	P-4	12-1985	07-2004
C-12	08-1987	04-2004	P-11	10-1985	07-2004
C-15	10-1985	03-1998	MW-1	06-1992	07-2004
C-17	07-1986	09-2001	MW-1G	10-1992	07-2004
C-18	06-1987	06-2000	MW-2	10-1992	07-2004

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.

SITE ID NUMBER: 413647087191901

STATION NAME: USGS WELL A-1 @ USX NR. BOAT SLIP, GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	20.31	APR 07	19.85	JUL 21	19.16

WATER YEAR 2004 HIGHEST 19.16 JUL 21, 2004 LOWEST 20.31 JAN 07, 2004
 PERIOD OF RECORD HIGHEST 15.72 SEP 08, 1993 LOWEST 20.31 JAN 07, 2004
 RECORD AVAILABLE FROM OCT 24, 1985 TO CURRENT YEAR 64 ENTRIES

SITE ID NUMBER: 413706087181800

STATION NAME: USGS WELL A-2 @ USX, NR. LAKE, GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	17.96	APR 07	18.34	JUL 21	18.19

WATER YEAR 2004 HIGHEST 17.96 JAN 07, 2004 LOWEST 18.34 APR 07, 2004
 PERIOD OF RECORD HIGHEST 14.83 SEP 08, 1993 LOWEST 19.42 APR 10, 2003
 RECORD AVAILABLE FROM JUN 26, 1987 TO CURRENT YEAR 53 ENTRIES

SITE ID NUMBER: 413629087192102

STATION NAME: USGS WELL A-5 @ USX, N OF GCR, @ GARY HARBOR

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	14.99	APR 07	15.81	JUL 21	15.93

WATER YEAR 2004 HIGHEST 14.99 JAN 07, 2004 LOWEST 15.93 JUL 21, 2004
 PERIOD OF RECORD HIGHEST 13.64 SEP 08, 1993 JUN 29, 2000 LOWEST 15.63 JAN 05, 2000
 RECORD AVAILABLE FROM DEC 17, 1985 TO CURRENT YEAR 59 ENTRIES

SITE ID NUMBER: 413706087170101

STATION NAME: USGS WELL A-6, E OF USX IN DUNES NAT LKSH, GARY IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
APR 12	3.76

PERIOD OF RECORD HIGHEST 2.65 JUN 10, 1993 LOWEST 4.86 OCT 12, 1988
 RECORD AVAILABLE FROM JUL 14, 1987 TO CURRENT YEAR 31 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413626087191901

STATION NAME: USGS WELL A-10 @ USX, N OF GCR, @ GARY HARBOR

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE WATER
 LEVEL

APR 07 6.48

PERIOD OF RECORD HIGHEST 3.89 JUN 26, 1987 LOWEST 5.77 AUG 29, 2000
RECORD AVAILABLE FROM OCT 24, 1985 TO CURRENT YEAR 54 ENTRIES

SITE ID NUMBER: 413617087191201

STATION NAME: USGS WELL A15 @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE WATER DATE WATER
 LEVEL LEVEL

JAN 05 .32 JUL 19 1.57

WATER YEAR 2004 HIGHEST .32 JAN 05, 2004 LOWEST 1.57 JUL 19, 2004
PERIOD OF RECORD HIGHEST +.99 MAR 19, 1991 LOWEST 1.73 JAN 03, 2000
RECORD AVAILABLE FROM OCT 24, 1985 TO CURRENT YEAR 60 ENTRIES

SITE ID NUMBER: 413503087193501

STATION NAME: USGS WELL A20 @ GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE WATER DATE WATER DATE WATER
 LEVEL LEVEL LEVEL

JAN 06 17.98 APR 05 17.88 JUL 19 17.91

WATER YEAR 2002 HIGHEST 17.88 APR 05, 2004 LOWEST 17.98 JAN 06, 2004
PERIOD OF RECORD HIGHEST 17.32 JUL 12, 1996 JUL 01, 1997 LOWEST 19.07 MAR 06, 1986
RECORD AVAILABLE FROM JAN 03, 1986 TO CURRENT YEAR 69 ENTRIES

SITE ID NUMBER: 413752087223500

STATION NAME: USGS WELL B2 @ USXBY HWT-2-9 @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE WATER DATE WATER DATE WATER
 LEVEL LEVEL LEVEL

JAN 06 29.43 APR 07 29.23 JUL 21 28.17

WATER YEAR 2004 HIGHEST 28.17 JUL 21, 2004 LOWEST 29.43 JAN 07, 2004
PERIOD OF RECORD HIGHEST 25.92 JUN 25, 1987 LOWEST 29.53 MAR 29, 2000
RECORD AVAILABLE FROM JUN 25, 1987 TO CURRENT YEAR 52 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413632087234001
 STATION NAME: USGS WELL B5 AT GARY IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	4.58	APR 07	4.41	JUL 20	4.39
WATER YEAR 2004	HIGHEST	4.39	JUL 20, 2004	LOWEST	4.58
PERIOD OF RECORD	HIGHEST	2.77	JUN 09, 1993	LOWEST	7.66
					JAN 06, 2004
					OCT 11, 1988
RECORD AVAILABLE FROM AUG 28, 1985 TO CURRENT YEAR					72 ENTRIES

SITE ID NUMBER: 413617087225202
 STATION NAME: USGS WELL B7 SHALLOW @ CHASE ST. @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	8.54	APR 05	8.46	JUL 19	8.41
WATER YEAR 2004	HIGHEST	8.41	JUL 19, 2004	LOWEST	8.54
PERIOD OF RECORD	HIGHEST	6.84	JUN 09, 1993	LOWEST	9.56
					JAN 06, 2004
					APR 07, 2003
RECORD AVAILABLE FROM JUN 22, 1987 TO CURRENT YEAR					56 ENTRIES

SITE ID NUMBER: 413617087225201
 STATION NAME: USGS WELL B8 DEEP @ CHASE ST. @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	8.57	APR 05	8.49	JUL 19	8.43
WATER YEAR 2004	HIGHEST	8.43	JUL 19, 2004	LOWEST	8.57
PERIOD OF RECORD	HIGHEST	6.88	JUN 09, 1993	LOWEST	9.57
					JAN 06, 2004
					APR 07, 2003
RECORD AVAILABLE FROM JUL 14, 1987 TO CURRENT YEAR					57 ENTRIES

SITE ID NUMBER: 413544087233700
 STATION NAME: USGS WELL B10 @ BRUNSWICK @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	13.59	APR 07	13.15	JUL 20	13.60
WATER YEAR 2004	HIGHEST	13.15	APR 07, 2004	LOWEST	13.60
PERIOD OF RECORD	HIGHEST	11.47	MAR 20, 1991	LOWEST	15.16
					JUL 20, 2004
					APR 08, 2003
RECORD AVAILABLE FROM DEC 10, 1985 TO CURRENT YEAR					70 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413620087204401

STATION NAME: USEPA WELL BH-12 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	12.68	APR 05	13.04	JUL 19	12.95
WATER YEAR 2004	HIGHEST 12.68	JAN 06, 2004	LOWEST 13.04	APR 05, 2004	
PERIOD OF RECORD	HIGHEST 10.80	SEP 08, 1993	LOWEST 13.27	MAR 28, 1996	
RECORD AVAILABLE FROM JUN 23, 1992 TO CURRENT YEAR					37 ENTRIES

SITE ID NUMBER: 413548087204001

STATION NAME: USEPA WELL BH-13 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 05	10.32	JUL 19	10.65		
WATER YEAR 2004	HIGHEST 10.32	APR 05, 2004	LOWEST 10.65	JUL 19, 2004	
PERIOD OF RECORD	HIGHEST 9.61	MAR 24, 1998	LOWEST 11.29	SEP 03, 2002	
RECORD AVAILABLE FROM JUN 23, 1992 TO CURRENT YEAR					37 ENTRIES

SITE ID NUMBER: 413445087204701

STATION NAME: USEPA WELL BH-14 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	6.84	APR 05	6.66	JUL 19	6.56
WATER YEAR 2004	HIGHEST 6.56	JUL 19, 2004	LOWEST 6.84	JAN 06, 2004	
PERIOD OF RECORD	HIGHEST 2.59	JUL 12, 1996	LOWEST 9.49	MAR 27, 2000	
RECORD AVAILABLE FROM JUN 23, 1992 TO CURRENT YEAR					36 ENTRIES

SITE ID NUMBER: 414120087304701

STATION NAME: USEPA WELL BH-15 AT HAMMOND, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 21	2.60				
PERIOD OF RECORD	HIGHEST 1.28	MAR 29, 1996	LOWEST 2.60	JUL 21, 2004	
RECORD AVAILABLE FROM JUN 23, 1992 TO SEP 04, 2002					30 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413706087150701

STATION NAME: USEPA WELL BH-17 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 05	12.02	APR 05	11.80	JUL 19	11.40

WATER YEAR 2004	HIGHEST	11.40	JUL 19, 2004	LOWEST	12.02	JAN 05, 2004
PERIOD OF RECORD	HIGHEST	10.00	SEP 08, 1993	LOWEST	13.23	OCT 11, 2001
RECORD AVAILABLE FROM JUN 23, 1992 TO CURRENT YEAR						40 ENTRIES

SITE ID NUMBER: 413516087222301

STATION NAME: USEPA WELL BH-19 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 05	DRY	JUL 19	11.35

PERIOD OF RECORD	HIGHEST	6.03	MAR 25, 2002	LOWEST	12.00	JUL 07, 2003
RECORD AVAILABLE FROM JUN 23, 1992 TO CURRENT YEAR						24 ENTRIES

SITE ID NUMBER: 413951087301901

STATION NAME: USGS WELL BH-33-INTERMEDIATE @ BAIRSTOW SLAG DUMP

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	2.89	APR 06	3.26	JUL 21	2.53

WATER YEAR 2004	HIGHEST	2.53	JUL 21, 2004	LOWEST	3.26	APR 06, 2004
PERIOD OF RECORD	HIGHEST	1.07	JUN 05, 2001	LOWEST	5.73	JUN 24, 1997
RECORD AVAILABLE FROM JUL 17, 1996 TO CURRENT YEAR						24 ENTRIES

SITE ID NUMBER: 413951087301902

STATION NAME: USGS WELL BH-33-SHALLOW @ BAIRSTOW SLAG DUMP

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	2.76	APR 06	3.11	JUL 21	2.40

WATER YEAR 2004	HIGHEST	2.40	JUL 21, 2004	LOWEST	3.11	APR 06, 2004
PERIOD OF RECORD	HIGHEST	1.53	JUL 31, 1996	AUG 02, 1996	LOWEST	4.66 JUN 24, 1997
RECORD AVAILABLE FROM JUL 17, 1996 TO CURRENT YEAR						22 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413951087301903

STATION NAME: USGS WELL BH-33-SLAG @ BAIRSTOW SLAG DUMP

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	2.58	APR 06	2.91	JUL 21	3.09
WATER YEAR 2004	HIGHEST	2.58	JAN 07, 2004	LOWEST	3.09
PERIOD OF RECORD	HIGHEST	1.27	JUL 31, 1996	LOWEST	4.59
			RECORD AVAILABLE FROM JUL 17, 1996 TO CURRENT YEAR		22 ENTRIES

SITE ID NUMBER: 413328087202301

STATION NAME: USGS WELL BR-1, AT IU-NW CAMPUS, GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL		
APR 05	.31	JUL 19	.22		
WATER YEAR 2004	HIGHEST	.22	JUL 19, 2004		
PERIOD OF RECORD	HIGHEST	+.29	JUN 26, 2000		
			RECORD AVAILABLE FROM JAN 18, 1995 TO CURRENT YEAR		
			LOWEST	.31	APR 05, 2004
			LOWEST	3.06	JAN 18, 1995
					35 ENTRIES

SITE ID NUMBER: 413437087150601

STATION NAME: USGS WELL BR-2 @ FOUR WINDS PARK, LAKE STATION, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 05	3.80	APR 05	2.47	JUL 19	1.52
WATER YEAR 2004	HIGHEST	1.52	JUL 19, 2004	LOWEST	3.80
PERIOD OF RECORD	HIGHEST	+1.36	JUN 26, 2000	LOWEST	7.53
			RECORD AVAILABLE FROM JAN 24, 1995 TO CURRENT YEAR		35 ENTRIES
					APR 07, 2003

SITE ID NUMBER: 413419087301701

STATION NAME: USGS WELL BR-3 AT RIVERSIDE PARK, HAMMOND, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 08	1.80	APR 06	1.28	JUL 20	1.81
WATER YEAR 2004	HIGHEST	1.28	APR 06, 2004	LOWEST	1.81
PERIOD OF RECORD	HIGHEST	1.28	APR 06, 2004	LOWEST	9.34
			RECORD AVAILABLE FROM JUL 21, 1995 TO CURRENT YEAR		21 ENTRIES
					JUL 21, 1995

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413716087232601
 STATION NAME: USGS WELL BR-4, IDNR BONGI PROP, CLARK ST, GARY, I

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	33.62	APR 05	27.84	JUL 19	23.65

WATER YEAR 2004	HIGHEST	23.65	JUL 19, 2004	LOWEST	33.62	JAN 06, 2004
PERIOD OF RECORD	HIGHEST	8.01	MAR 02, 1999	LOWEST	53.60	APR 08, 2003
RECORD AVAILABLE FROM JUL 21, 1995 TO CURRENT YEAR				31 ENTRIES		

SITE ID NUMBER: 413732087255801
 STATION NAME: USEPA WELL BR-5 @ SR-912 & US-12, EAST CHICAGO, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	25.26	APR 06	23.78	JUL 20	21.57

WATER YEAR 2004	HIGHEST	21.57	JUL 20, 2004	LOWEST	25.26	JAN 07, 2004
PERIOD OF RECORD	HIGHEST	14.26	MAR 03, 1999	LOWEST	30.20	JUL 09, 2003
RECORD AVAILABLE FROM JUL 21, 1995 TO CURRENT YEAR				31 ENTRIES		

SITE ID NUMBER: 413830087260000
 STATION NAME: USGS WELL C1 @ CLINE&GUTHRIE @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	3.88	APR 06	3.95	JUL 20	3.78

WATER YEAR 2004	HIGHEST	3.78	JUL 20, 2004	LOWEST	3.95	APR 06, 2004
PERIOD OF RECORD	HIGHEST	2.04	JUN 11, 1993	LOWEST	5.30	OCT 11, 1988
RECORD AVAILABLE FROM DEC 09, 1985 TO CURRENT YEAR				71 ENTRIES		

SITE ID NUMBER: 413828087251301
 STATION NAME: USGS WELL C3 @ BUFFINGTON HARBOR, E. CHICAGO, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	10.07	APR 05	9.74	JUL 20	8.76

WATER YEAR 2004	HIGHEST	8.76	JUL 20, 2004	LOWEST	10.07	JAN 07, 2004
PERIOD OF RECORD	HIGHEST	7.05	JUN 11, 1993	LOWEST	10.17	APR 09, 2003
RECORD AVAILABLE FROM JUN 24, 1987 TO CURRENT YEAR				54 ENTRIES		

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413828087251302

STATION NAME: USGS WELL C4 @ BUFFINGTON HARBOR, E. CHICAGO IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	10.23	APR 05	9.87	JUL 20	8.92
WATER YEAR 2004	HIGHEST	8.92	JUL 20, 2004	LOWEST	10.23
PERIOD OF RECORD	HIGHEST	6.69	SEP 08, 1998	LOWEST	10.30
		RECORD AVAILABLE FROM JUN 24, 1987 TO SEP 05, 2002			54 ENTRIES

SITE ID NUMBER: 413655087275202

STATION NAME: USGS WELL C-5 DUPONT PROPERTY NORTH (RPD=96)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
APR 07	.37
PERIOD OF RECORD	HIGHEST +.91 JUN 10, 1993
	LOWEST 3.49 SEP 05, 2002
	RECORD AVAILABLE FROM OCT 25, 1985 TO CURRENT YEAR
	40 ENTRIES

SITE ID NUMBER: 413652087274901

STATION NAME: USGS WELL C-10 DUPONT PROPERTY MIDDLE (RPD=24)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	1.58	APR 07	2.41
WATER YEAR 2004	HIGHEST	1.58	JAN 06, 2004
PERIOD OF RECORD	HIGHEST	+.01	NOV 27, 1985
		LOWEST	3.29
		RECORD AVAILABLE FROM OCT 25, 1985 TO CURRENT YEAR	
			66 ENTRIES

SITE ID NUMBER: 413650087262000

STATION NAME: USGS WELL C12 DEEP AT EAST CHICAGO, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	1.81	APR 07	.59
WATER YEAR 2004	HIGHEST	.59	APR 07, 2004
PERIOD OF RECORD	HIGHEST	.27	NOV 28, 1990
		LOWEST	3.34
		RECORD AVAILABLE FROM AUG 05, 1987 TO CURRENT YEAR	
			51 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413559087270301
 STATION NAME: LAKE 13 (LK 13) (ALSO KNOWN AS WELL C-17), HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	1.65	APR 06	1.15	JUL 20	3.26
WATER YEAR 2004	HIGHEST	1.15	APR 06, 2004	LOWEST	3.26
PERIOD OF RECORD	HIGHEST	+2.79	FEB 27, 2001	LOWEST	4.90
					OCT 12, 1988
					RECORD AVAILABLE FROM JUL 18, 1986 TO CURRENT YEAR
					39 ENTRIES

SITE ID NUMBER: 413617087262001
 STATION NAME: USGS WELL C19 AT HAMMOND IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	1.57	APR 07	1.59	JUL 20	1.84
WATER YEAR 2004	HIGHEST	1.57	JAN 06, 2004	LOWEST	1.84
PERIOD OF RECORD	HIGHEST	+0.61	MAR 18, 1993	LOWEST	3.83
					SEP 05, 2002
					RECORD AVAILABLE FROM DEC 15, 1986 TO CURRENT YEAR
					51 ENTRIES

SITE ID NUMBER: 413557087283901
 STATION NAME: USGS WELL C20 @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	+0.47	APR 06	+0.61		
WATER YEAR 2004	HIGHEST	+0.47	JAN 06, 2004	LOWEST	+0.61
PERIOD OF RECORD	HIGHEST	+1.35	NOV 29, 1990	LOWEST	5.75
					MAR 04, 1986
					RECORD AVAILABLE FROM AUG 28, 1985 TO CURRENT YEAR
					54 ENTRIES

SITE ID NUMBER: 413527087254301
 STATION NAME: USGS WELL C25 AT GARY IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	1.74	APR 07	1.43	JUL 20	2.17
WATER YEAR 2004	HIGHEST	1.43	APR 07, 2004	LOWEST	2.17
PERIOD OF RECORD	HIGHEST	.46	FEB 27, 2001	LOWEST	4.17
					AUG 31, 1999
					RECORD AVAILABLE FROM DEC 05, 1985 TO CURRENT YEAR
					65 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 414052087291201

STATION NAME: USGS WELL D1 @ WHITING,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 08	DRY	APR 06	10.14	JUL 20	9.38
WATER YEAR 2004	HIGHEST	9.38	JUL 20, 2004	LOWEST	10.14
PERIOD OF RECORD	HIGHEST	6.76	AUG 25, 1985	LOWEST	10.14
			RECORD AVAILABLE FROM AUG 25, 1985 TO CURRENT YEAR		70 ENTRIES

SITE ID NUMBER: 414044087290801

STATION NAME: USGS WELL D5 AT WHITING IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 08	DRY	APR 06	DRY	JUL 20	DRY
PERIOD OF RECORD	HIGHEST	4.10	SEP 07, 1993	LOWEST	7.27
			RECORD AVAILABLE FROM AUG 28, 1985 TO CURRENT YEAR		68 ENTRIES

SITE ID NUMBER: 414043087290802

STATION NAME: USGS WELL D10 @ WHITING,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 08	7.33	APR 06	7.35	JUL 20	6.67
WATER YEAR 2004	HIGHEST	6.67	JUL 20, 2004	LOWEST	7.35
PERIOD OF RECORD	HIGHEST	4.12	SEP 07, 1993	LOWEST	8.38
			RECORD AVAILABLE FROM AUG 28, 1985 TO CURRENT YEAR		76 ENTRIES

SITE ID NUMBER: 414043087290801

STATION NAME: USGS WELL D11 DEEP @ WHITING GARAGE @ WHITING,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 08	7.18	APR 06	7.21	JUL 20	6.51
WATER YEAR 2004	HIGHEST	6.51	JUL 20, 2004	LOWEST	7.21
PERIOD OF RECORD	HIGHEST	4.01	SEP 07, 1993	LOWEST	7.72
			RECORD AVAILABLE FROM JUN 11, 1987 TO CURRENT YEAR		60 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413941087292600
 STATION NAME: USGS WELL D21 @ AMOCO PARK @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	3.22	APR 06	3.07	JUL 20	3.69
WATER YEAR 2004	HIGHEST	3.07	APR 06, 2004	LOWEST	3.69
PERIOD OF RECORD	HIGHEST	1.48	NOV 28, 1990	LOWEST	4.74
					DEC 12, 1997
RECORD AVAILABLE FROM JUL 17, 1987 TO CURRENT YEAR					59 ENTRIES

SITE ID NUMBER: 413804087291102
 STATION NAME: USGS WELL D-25 DICKY ROAD AT IHC WEST (RPD=96)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	5.66	APR 06	5.94	JUL 20	5.22
WATER YEAR 2004	HIGHEST	5.22	JUL 20, 2004	LOWEST	5.94
PERIOD OF RECORD	HIGHEST	1.94	JUN 09, 1993	LOWEST	6.48
					APR 09, 2003
RECORD AVAILABLE FROM DEC 05, 1985 TO CURRENT YEAR					67 ENTRIES

SITE ID NUMBER: 413758087290702
 STATION NAME: USGS WELL D-30 DICKY ROAD AT IHC MIDDLE (RPD=96)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	6.14	APR 06	6.00	JUL 20	5.12
WATER YEAR 2004	HIGHEST	5.12	JUL 20, 2004	LOWEST	6.14
PERIOD OF RECORD	HIGHEST	2.43	DEC 05, 1985	LOWEST	6.19
					APR 09, 2003
RECORD AVAILABLE FROM DEC 05, 1985 TO CURRENT YEAR					67 ENTRIES

SITE ID NUMBER: 413907087275901
 STATION NAME: USGS WELL D31 DEEP @ DICKY RD. @ EAST CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	6.10	APR 06	5.96		
WATER YEAR 2004	HIGHEST	5.96	APR 06, 2004	LOWEST	6.10
PERIOD OF RECORD	HIGHEST	2.71	JUN 09, 1993	LOWEST	6.13
					APR 09, 2003
RECORD AVAILABLE FROM JUL 16, 1987 TO CURRENT YEAR					56 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413835087245101

STATION NAME: USGS WELL D40 @ E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 06	2.40	JUL 20	2.75

WATER YEAR 2004	HIGHEST	2.40	APR 06, 2004	LOWEST	2.75	JUL 20, 2004
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PERIOD OF RECORD	HIGHEST	.15	JUN 09, 1993	LOWEST	4.55	JUN 29, 1999
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RECORD AVAILABLE FROM OCT 24, 1985 TO CURRENT YEAR 70 ENTRIES

SITE ID NUMBER: 413812087270201

STATION NAME: USGS WELL D45 AT E. CHICAGO IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	4.78	APR 06	4.67	JUL 20	4.84

WATER YEAR 2004	HIGHEST	4.67	APR 06, 2004	LOWEST	4.84	JUL 20, 2004
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PERIOD OF RECORD	HIGHEST	2.93	NOV 28, 1990	LOWEST	6.87	JUN 29, 1999
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RECORD AVAILABLE FROM OCT 24, 1985 TO CURRENT YEAR 69 ENTRIES

SITE ID NUMBER: 413800087285401

STATION NAME: USGS WELL D50 AT EAST CHICAGO IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 08	7.25	JUL 20	7.26

WATER YEAR 2004	HIGHEST	7.25	JAN 08, 2004	LOWEST	7.26	JUL 20, 2004
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PERIOD OF RECORD	HIGHEST	5.98	JUN 10, 1993	LOWEST	7.46	SEP 08, 1992
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RECORD AVAILABLE FROM DEC 13, 1985 TO CURRENT YEAR 60 ENTRIES

SITE ID NUMBER: 413758087281001

STATION NAME: USGS WELL D60 PHILLIPS PIPELINE MIDDLE (RPD=96)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 08	5.90	APR 06	5.83

WATER YEAR 2004	HIGHEST	5.83	APR 06, 2004	LOWEST	5.90	JAN 08, 2004
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PERIOD OF RECORD	HIGHEST	3.29	NOV 07, 1985	LOWEST	6.37	OCT 12, 1988
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RECORD AVAILABLE FROM JUL 15, 1987 TO CURRENT YEAR 48 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413654087274000
 STATION NAME: USGS WELL D66 @DUPONT,KENNEDY&GR.CAL.@E.CHICAGO,IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE WATER
 LEVEL

APR 07 5.53

PERIOD OF RECORD HIGHEST 4.76 JUN 27, 1997 LOWEST 6.68 MAR 28, 2000
 RECORD AVAILABLE FROM JUL 15, 1987 TO CURRENT YEAR 51 ENTRIES

SITE ID NUMBER: 413647087282502
 STATION NAME: USGS WELL D67 SHALLOW NIPSCO SUBSTA AT HAMMOND IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE WATER DATE WATER DATE WATER
 LEVEL LEVEL LEVEL LEVEL LEVEL

JAN 08 3.91 APR 06 3.56 JUL 20 4.38

WATER YEAR 2004 HIGHEST 3.56 APR 06, 2004 LOWEST 4.38 JUL 20, 2004
 PERIOD OF RECORD HIGHEST .34 NOV 28, 1990 LOWEST 6.21 SEP 04, 2002
 RECORD AVAILABLE FROM JUL 16, 1987 TO CURRENT YEAR 56 ENTRIES

SITE ID NUMBER: 413647087282501
 STATION NAME: USGS WELL D68 DEEP NIPSCO SUBSTA, AT HAMMOND, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE WATER DATE WATER DATE WATER
 LEVEL LEVEL LEVEL LEVEL LEVEL

JAN 08 4.09 APR 06 3.63 JUL 20 4.57

WATER YEAR 2004 HIGHEST 3.63 APR 06, 2004 LOWEST 4.57 JUL 20, 2004
 PERIOD OF RECORD HIGHEST .58 NOV 28, 1990 LOWEST 6.38 SEP 04, 2002
 RECORD AVAILABLE FROM JUL 16, 1987 TO CURRENT YEAR 56 ENTRIES

SITE ID NUMBER: 413435087291901
 STATION NAME: USGS WELL D-75 @ HAMMOND,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE WATER DATE WATER DATE WATER
 LEVEL LEVEL LEVEL LEVEL LEVEL

JAN 06 4.65 APR 06 4.31 JUL 20 4.75

WATER YEAR 2004 HIGHEST 4.31 APR 06, 2004 LOWEST 4.75 JUL 20, 2004
 PERIOD OF RECORD HIGHEST 3.40 JUN 10, 1993 LOWEST 5.02 JUN 24, 1992 SEP 04, 2002
 RECORD AVAILABLE FROM JAN 07, 1986 TO CURRENT YEAR 67 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413844087310401

STATION NAME: USGS WELL E1 @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	3.25	APR 06	3.17	JUL 21	3.14
WATER YEAR 2004	HIGHEST	3.14	JUL 21, 2004	LOWEST	3.25
PERIOD OF RECORD	HIGHEST	1.08	JUL 18, 1996	LOWEST	3.97
RECORD AVAILABLE FROM DEC 13, 1985 TO CURRENT YEAR					71 ENTRIES

SITE ID NUMBER: 414105087293900

STATION NAME: USGS WELL E2 @ WHIHALA BEACH PARK @ WHITING, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 08	6.12	APR 06	5.52	JUL 20	5.25
WATER YEAR 2004	HIGHEST	5.25	JUL 20, 2004	LOWEST	6.12
PERIOD OF RECORD	HIGHEST	2.95	JUN 09, 1987	LOWEST	6.20
RECORD AVAILABLE FROM JUN 09, 1987 TO CURRENT YEAR					55 ENTRIES

SITE ID NUMBER: 414013087303300

STATION NAME: USGS WELL E3 @ WOLF LAKE PARK @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	2.58	APR 06	2.49	JUL 21	2.96
WATER YEAR 2004	HIGHEST	2.49	APR 06, 2004	LOWEST	2.96
PERIOD OF RECORD	HIGHEST	.59	JUL 18, 1996	LOWEST	3.40
RECORD AVAILABLE FROM JUN 22, 1987 TO CURRENT YEAR					62 ENTRIES

SITE ID NUMBER: 413810087305201

STATION NAME: USGS WELL E5 AT HAMMOND IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	5.20	APR 06	4.93	JUL 21	5.20
WATER YEAR 2004	HIGHEST	4.93	APR 06, 2004	LOWEST	5.20
PERIOD OF RECORD	HIGHEST	3.60	JUL 10, 1993	LOWEST	5.98
RECORD AVAILABLE FROM AUG 28, 1985 TO CURRENT YEAR					68 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413938087304301
 STATION NAME: USGS WELL E6 @ 129TH&SHEFFIELD @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	1.48	APR 06	1.13	JUL 21	1.79
WATER YEAR 2004	HIGHEST	1.13	APR 06, 2004	LOWEST	1.79
PERIOD OF RECORD	HIGHEST	.25	JUN 05, 2001	LOWEST	3.15
RECORD AVAILABLE FROM JUN 22, 1987 TO CURRENT YEAR					59 ENTRIES

SITE ID NUMBER: 413938087304302
 STATION NAME: USGS WELL E7 @ 129TH&SHEFFIELD @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	1.47	APR 06	1.20	JUL 21	1.85
WATER YEAR 2004	HIGHEST	1.20	APR 06, 2004	LOWEST	1.85
PERIOD OF RECORD	HIGHEST	.08	JUN 05, 2001	LOWEST	2.88
RECORD AVAILABLE FROM JUN 22, 1987 TO CURRENT YEAR					61 ENTRIES

SITE ID NUMBER: 413722087304101
 STATION NAME: USGS WELL E-10 SPOHN SCHOOL NORTH (RPD=24)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 08	4.15	APR 06	3.90	JUL 20	4.47
WATER YEAR 2004	HIGHEST	3.90	APR 06, 2004	LOWEST	4.47
PERIOD OF RECORD	HIGHEST	2.46	JUN 10, 1993	LOWEST	6.11
RECORD AVAILABLE FROM OCT 17, 1985 TO CURRENT YEAR					74 ENTRIES

SITE ID NUMBER: 413720087304201
 STATION NAME: USGS WELL E-15 SPOHN SCHOOL SOUTH (RPD=24)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 08	3.09	APR 06	2.88	JUL 20	3.30
WATER YEAR 2004	HIGHEST	2.88	APR 06, 2004	LOWEST	3.30
PERIOD OF RECORD	HIGHEST	1.48	JUN 10, 1993	LOWEST	6.50
RECORD AVAILABLE FROM OCT 30, 1985 TO CURRENT YEAR					61 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413627087310500

STATION NAME: USGS WELL E20 @ EGGERS SCHOOL @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 08	3.46	APR 06	2.96	JUL 20	3.84

WATER YEAR 2004	HIGHEST	2.96	APR 06, 2004	LOWEST	3.84	JUL 20, 2004
PERIOD OF RECORD	HIGHEST	2.17	JUN 10, 1993	LOWEST	4.86	AUG 20, 1986 OCT 11, 1988
RECORD AVAILABLE FROM AUG 28, 1985 TO CURRENT YEAR					67 ENTRIES	

SITE ID NUMBER: 413706087171901

STATION NAME: USX WELL HWD2-19D, GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	15.10	APR 07	15.14	JUL 21	15.06

WATER YEAR 2004	HIGHEST	15.06	JUL 21, 2004	LOWEST	15.14	APR 07, 2004
PERIOD OF RECORD	HIGHEST	13.26	JUL 10, 1996	LOWEST	15.77	JUL 10, 2002
RECORD AVAILABLE FROM JUL 18, 1995 TO CURRENT YEAR					23 ENTRIES	

SITE ID NUMBER: 413706087171902

STATION NAME: USX WELL HWD-2-19 SHALLOW, AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	DRY	APR 07	DRY	JUL 21	DRY

PERIOD OF RECORD	HIGHEST	13.04	MAR 24, 1998	LOWEST	15.64	JUL 10, 2002
RECORD AVAILABLE FROM JUL 18, 1995 TO CURRENT YEAR					24 ENTRIES	

SITE ID NUMBER: 413703087171501

STATION NAME: USX WELL HWD-2-20D, AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	30.88	APR 07	31.28	JUL 21	31.28

WATER YEAR 2004	HIGHEST	30.88	JAN 07, 2004	LOWEST	31.28	APR 07, 2004 JUL 21, 2004
PERIOD OF RECORD	HIGHEST	29.93	JUL 01, 1999	LOWEST	32.23	APR 10, 2003
RECORD AVAILABLE FROM JUL 10, 1996 TO CURRENT YEAR					22 ENTRIES	

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413703087171502

STATION NAME: USX WELL HWD-2-20S AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	31.05	APR 07	31.45	JUL 21	31.45

WATER YEAR 2004 HIGHEST 31.05 JAN 07, 2004 LOWEST 31.45 SPR 07, 2004 JUL 21, 2004
 PERIOD OF RECORD HIGHEST 30.10 JUL 01, 1999 LOWEST 32.41 APR 10, 2003
 RECORD AVAILABLE FROM JUL 10, 1996 TO CURRENT YEAR 22 ENTRIES

SITE ID NUMBER: 413752087223501

STATION NAME: USX WELL (B)HWT2-9 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	29.76	APR 07	29.56	JUL 21	28.52

WATER YEAR 2004 HIGHEST 28.52 JUL 21, 2004 LOWEST 29.76 JAN 07, 2004
 PERIOD OF RECORD HIGHEST 25.68 JUL 24, 1986 LOWEST 29.94 MAR 29, 2000
 RECORD AVAILABLE FROM DEC 10, 1985 TO CURRENT YEAR 61 ENTRIES

SITE ID NUMBER: 413722087225501

STATION NAME: USX WELL (B)HWT14-05 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	4.78	APR 05	4.79	JUL 19	4.90

WATER YEAR 2004 HIGHEST 4.78 JAN 06, 2004 LOWEST 4.90 JUL 19, 2004
 PERIOD OF RECORD HIGHEST 3.01 FEB 27, 1990 LOWEST 5.46 SEP 03, 2002
 RECORD AVAILABLE FROM DEC 10, 1985 TO CURRENT YEAR 47 ENTRIES

SITE ID NUMBER: 413744087223901

STATION NAME: USX WELL (B)P-4 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	21.98	APR 07	22.28	JUL 21	21.44

WATER YEAR 2004 HIGHEST 21.44 JUL 21, 2004 LOWEST 22.28 APR 07, 2004
 PERIOD OF RECORD HIGHEST 18.39 JUN 08, 1993 LOWEST 22.59 MAR 29, 2000
 RECORD AVAILABLE FROM DEC 10, 1985 TO CURRENT YEAR 59 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA--Continued

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2004 and summary statistics.--Continued

SITE ID NUMBER: 413734087225101

STATION NAME: USX WELL (B)P-11 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 06	10.81	APR 05	11.31	JUL 20	11.00

WATER YEAR 2004	HIGHEST	10.81	JAN 06, 2004	LOWEST	11.31	APR 05, 2004
PERIOD OF RECORD	HIGHEST	8.41	JUN 08, 1993	LOWEST	11.78	MAR 27, 1996
RECORD AVAILABLE FROM OCT 12, 1985 TO CURRENT YEAR				63 ENTRIES		

SITE ID NUMBER: 414144087304101

STATION NAME: USEPA WELL MW-1 AT HAMMOND, IND.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 06	13.42	JUL 21	11.95

WATER YEAR 2004	HIGHEST	11.95	JUL 21, 2004	LOWEST	13.42	APR 06, 2004
PERIOD OF RECORD	HIGHEST	2.46	JUL 09, 2002	LOWEST	13.91	JAN 06, 2000
RECORD AVAILABLE FROM MAR 17, 1993 TO OCT 25, 2004				28 ENTRIES		

SITE ID NUMBER: 414033087245501

STATION NAME: ISPAT INLAND STEEL WELL MW-1G, EAST CHICAGO, IND.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	17.13	APR 07	16.14	JUL 22	13.77

WATER YEAR 2004	HIGHEST	13.77	JUL 22, 2004	LOWEST	17.13	JAN 07, 2004
PERIOD OF RECORD	HIGHEST	5.80	DEC 16, 1998	LOWEST	19.56	JUL 10, 2003
RECORD AVAILABLE FROM OCT 07, 1992 TO CURRENT YEAR				22 ENTRIES		

SITE ID NUMBER: 414033087245502

STATION NAME: ISPAT INLAND STEEL WELL MW-2, AT EAST CHICAGO, IND

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 07	DRY	APR 07	10.80	JUL 22	13.22

WATER YEAR 2004	HIGHEST	10.80	APR 07, 2004	LOWEST	13.22	JUL 22, 2004
PERIOD OF RECORD	HIGHEST	9.16	MAR 03, 1999	LOWEST	13.60	JAN 05, 2000
RECORD AVAILABLE FROM OCT 07, 1992 TO CURRENT YEAR				22 ENTRIES		

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, IN--Continued

Table 4. Location and description of surface-water stage measurement sites in Northern Lake County network measured during water year 2004.

Site name	Surface-water body	Latitude/longitude	USGS site identifier	Measurement location
S-1	Wolf Lake	41°40' 16"/87°30' 37"	414016087303701	Fishing pier in Wolf Lake Park, Hammond, IN.
S-8	Sewer	41°38' 08"/87°27' 05"	413808087270501	Sewer grate, Washington Park, East Chicago, IN.
S-13	Grand Calumet River	41°36' 32"/87°22' 18"	413632087221900	At Bridge Street bridge, Gary, IN.
E-16S	Grand Calumet River	41°37' 19"/87°30' 44"	413719087304302	Spohn School, Hammond, IN.

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 5. Reference-point altitude and miscellaneous measurements of surface-water stage in the Northern Lake County network, water year 2002 and period of record.

ft, feet; LSD, land surface datum; --, not recorded; >, greater than

Site name	USGS site identifier	Period of record	Date	Depth to water surface below measuring point (ft)	Altitude of measuring point (ft above sea level) ¹
S-1	414016087303701	03-1986 through 07-2004	APR 04, 2004	0.97	580.52
			JUL 21, 2004	1.93	579.56
S-8	413808087270501	01-1986 through 07-2004	JAN 07, 2004	1.40	580.16
			APR 04, 2004	1.45	580.11
			JUL 20, 2004	1.46	580.10
S-13	413632087221900	10-1988 through 07-2004	JAN 06, 2004	18.22	581.78
			APR 05, 2004	18.09	581.91
			JUL 19, 2004	16.56	583.44
E-16S	413719087304302	12-1985 through 07-2004	APR 04, 2004	6.80	582.02
			JUL 20, 2004	6.32	582.50

¹ Several sites have multiple measuring points to accommodate changing site conditions.

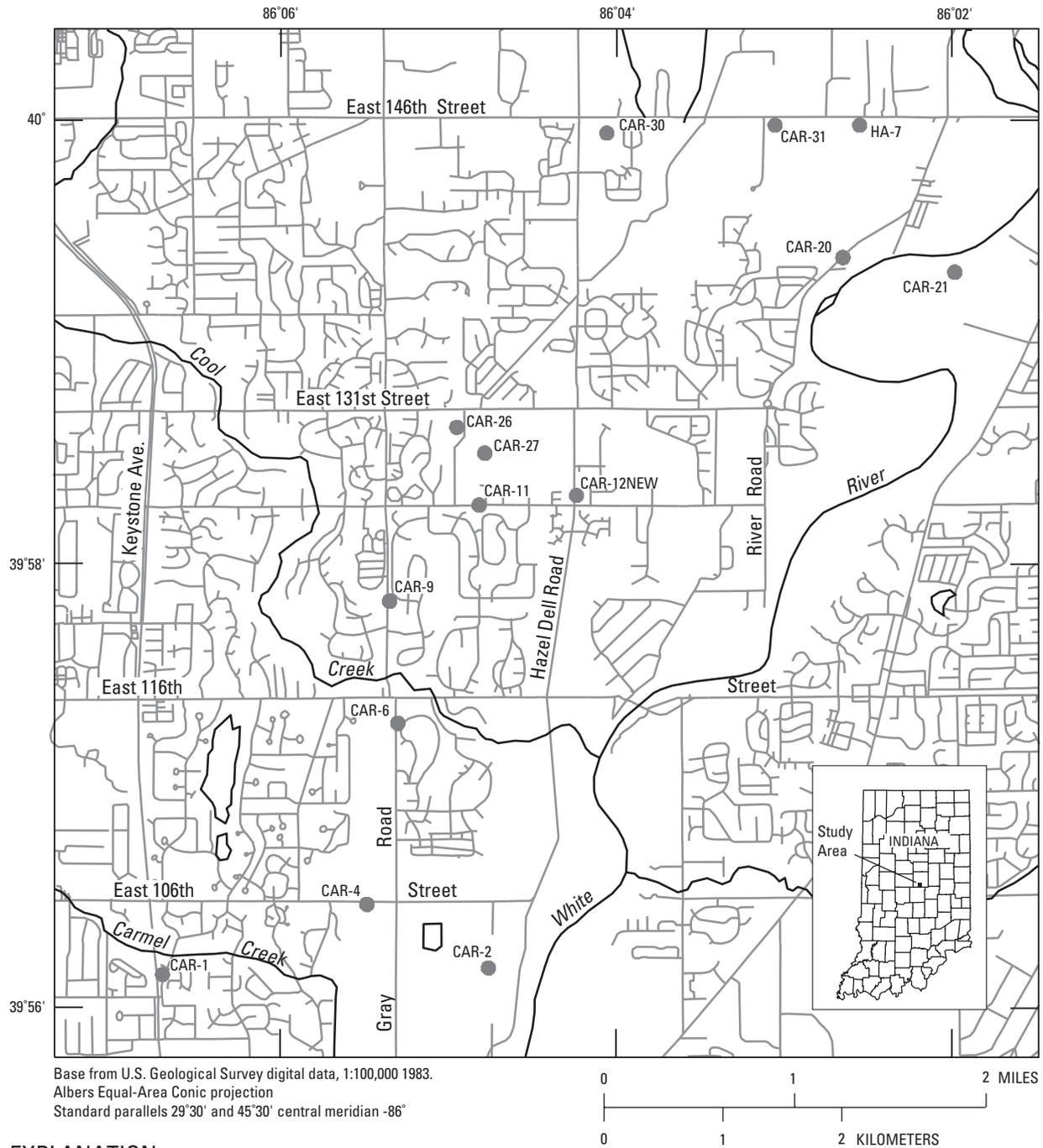


Figure 11.--Locations of wells in the Carmel, Hamilton County, IN network.

GROUND-WATER LEVELS FOR THE ALLUVIAL AQUIFER NEAR THE CITY OF CARMEL, HAMILTON COUNTY NETWORK

The following tables contain ground-water level measurements from a network of monitoring wells near Carmel, Indiana. The data were collected as part of a cooperative effort with the City of Carmel to determine ambient ground-water level conditions on an irregular basis within the alluvial aquifer near the White River. Locations of observation wells where measurements were made are shown in figure 10.

Previous water levels for this monitoring-well network were published in the 2000, 2001 and 2002 water year versions of this report.

395609086064201. Local number CAR-1.

LOCATION.--Lat 39°56'09", long 86°06'42", in NW¹/₄SE¹/₄NE¹/₄ sec.7, T.17 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, between Keystone Avenue and Frontage Road, at 10200 North in Carmel.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 1.5 in., depth 50.1 ft, cased to 47.1 ft, screened to 50.1 ft.

INSTRUMENTATION.--None

DATUM.--Elevation of land-surface datum is 774.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 0.30 ft above ground level.

PERIOD OF RECORD.--56 entries from September 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 18.69 ft below land-surface datum, April 17, 1991; lowest, 23.55 ft below land surface datum, September 5, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2003 and 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 17, 2003	20.87	APR 26, 2004	20.27	AUG 16, 2004	21.17

395610086044401. Local number CAR-2.

LOCATION.--Lat 39°56'10", long 86°04'44", in NE¹/₄SW¹/₄NE¹/₄ sec.9, T.17 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 10300 North River Avenue, on east side at slight bend in road.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in., depth 24.2 ft, cased to 21.2 ft, screened to 24.2 ft.

INSTRUMENTATION.--None

DATUM.--Elevation of land-surface datum is 740.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 0.30 ft above ground level.

REMARKS.--Water level may be affected by nearby dewatering for mining.

PERIOD OF RECORD.--52 entries from September 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 15.22 ft below land-surface datum, April 14, 1975; lowest, dry on numerous dates.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2003 AND 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 17, 2003	22.00	APR 26, 2004	DRY	AUG 16, 2004	DRY

GROUND-WATER LEVELS FOR THE ALLUVIAL AQUIFER NEAR THE CITY OF CARMEL, HAMILTON COUNTY NETWORK--Continued

395628086052901. Local number CAR-4.

LOCATION.--Lat 39°56'28", long 86°05'29", in NW¹/₄NE¹/₄NE¹/₄ sec.8, T.17 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 1000 ft west of Gray Road (Hinkle Road on topographic map) on south side of East 106th Street, in Carmel.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 1.5 in., depth 23.8 ft, cased to 20.8 ft, screened to 23.8 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 744 ft above National Geodetic Vertical Datum of 1929. Measuring point, 2003 water year: top of well casing, at land surface datum. Measuring point 2004, water year: top of well casing: 0.22 ft below land-surface datum.

REMARKS.--Water level may be affected by nearby dewatering for mining.

PERIOD OF RECORD.--46 entries from September 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 5.07 ft below land-surface datum, April 23, 1982; lowest, 16.69 ft below land surface datum, October 27, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2003 AND 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 17, 2003	7.42	APR 26, 2004	10.59	AUG 16, 2004	10.42

395717086051801. Local number CAR-6.

LOCATION.--Lat 39°57'17", long 86°05'18", in NW¹/₄NW¹/₄NW¹/₄ sec.4, T.17 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 11500 North Gray Road, well on east side, 600 ft south of East 116th Street.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in., depth 34.7 ft, cased to 31.7 ft, screened to 34.7 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 768.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

PERIOD OF RECORD.--55 entries from November 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 18.10 ft below land-surface datum, June 26, 1996; lowest, 23.14 ft below land surface datum, November 30, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2003 AND 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 17, 2003	21.29	APR 26, 2004	20.31	AUG 16, 2004	21.17

GROUND-WATER LEVELS FOR THE ALLUVIAL AQUIFER NEAR THE CITY OF CARMEL, HAMILTON COUNTY NETWORK--Continued

395750086052101. Local number CAR-9.

LOCATION.--Lat 39°57'50", long 86°05'21", in SW¹/₄SW¹/₄NW¹/₄ sec.33, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 12100 North Gray Road, on east side, north of entrance road into abandoned gravel pit.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 1.5 in., depth 48.38 ft, cased to 45.38 ft, screened to 48.38 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 778.74 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

REMARKS.--Water level may be affected by nearby dewatering for mining.

PERIOD OF RECORD.--51 entries from September 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 24.75 ft below land-surface datum, June 4, 1986; lowest, 34.09 ft below land surface datum, November 4, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2003 AND 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 17, 2003	31.14	APR 26, 2004	29.76	AUG 16, 2004	30.91

395816086044901. Local number CAR-11.

LOCATION.--Lat 39°58'16", long 86°04'49", in SE¹/₄SE¹/₄SW¹/₄ sec.28, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 5200 East 126th Street, north side, at east entrance to Clay Jr. High School.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 1.5 in., depth 59.0 ft, cased to 56.0 ft, screened to 59.0 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 789.59 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

REMARKS.--Water level may be affected by nearby production wells.

PERIOD OF RECORD.--52 entries from November, 1974 to current date. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 32.77 ft below land-surface datum, April 14, 1975; lowest, 48.17 ft below land surface datum, September 23, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2003 AND 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 17, 2003	47.30	APR 26, 2004	41.92	AUG 16, 2004	42.52

GROUND-WATER LEVELS FOR THE ALLUVIAL AQUIFER NEAR THE CITY OF CARMEL, HAMILTON COUNTY NETWORK--Continued

395818086042101 Local number CAR-12NEW

LOCATION.--Lat 39°58'18". long 86°04'12". in SW¹/₄SW¹/₄SW¹/₄ sec.27, T.18 N., R.4 E., Hamilton County. Hydrologic Unit 05120201, Well is in ditch for Hazel Dell Road, 350 ft north of East 126th Street, and 225 ft west of the Carmel City Utility Water Department treatment plant #5. Well is half way between Carmel Utility Wells #9 and #13, and 175 ft west of line intersecting both wells. Owner: City of Carmel Utilities Department

AQUIFER.-- Sand and gravel outwash deposit, White River valley-train of Pleistocene age Atherton Formation

WELL CHARACTERISTICS.--Drilled water-table well, diameter 4.0 in., depth 73.9 ft, cased from 1.20 ft above to 69.0 ft below ground, screened from 69.0 to 73.9 ft. Well casing was shortened in Fall 2000, and placed under a manhole cover. Well measuring point was lowered 2.46 ft.

INSTRUMENTATION.--None

DATUM.--Elevation of land-surface datum was 753.69 ft above National Geodetic Vertical Datum of 1929 until construction of Hazel Dell Road in 1999. Measuring point: for 1977 through 2000 top of well casing, 1.20 ft above ground level. After 2000 measuring point is 752.43, and 1.26 ft below original land surface datum.

REMARKS.--After July 1977 water levels are affected by nearby production wells. Well was drilled July 25, 1977, but it was not used to monitor Carmel Network wells until October 1995, following the loss of well CAR-12.

PERIOD OF RECORD.-- 14 entries from July 25, 1977 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 6.00 ft below land-surface datum, July 25, 1977; lowest, 22.14 ft below land surface datum, November 4, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2002, 2003 AND 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 25, 2002	18.58	MAR 17, 2003	19.95	APR 26, 2004	14.77
AUG 16, 2004	14.74				

395923086023901. Local number CAR-20.

LOCATION.--Lat 39°59'23", long 86°02'39", in SE¹/₄NE¹/₄SW¹/₄ sec.23, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, east side of 13900 North River Avenue, just south of private drive. Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in., depth 34.6 ft, cased to 31.6 ft, screened to 34.6 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 753.45 ft above National Geodetic Vertical Datum of 1929. Measuring point, 2003 water year and previous: top of well casing, 0.24 ft above land-surface datum. Measuring point 2004, water year: top of well casing: 0.26 ft below land-surface datum.

REMARKS.--Water level may be affected by nearby dewatering for mining.

PERIOD OF RECORD.--52 entries from November 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 5.93 ft below land-surface datum, April 14, 1994; lowest, 11.90 ft below land surface datum, October 29, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2003 AND 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 18, 2003	10.05	APR 26, 2004	9.60	AUG 16, 2004	9.76

GROUND-WATER LEVELS FOR THE ALLUVIAL AQUIFER NEAR THE CITY OF CARMEL, HAMILTON COUNTY NETWORK--Continued

395919086015901. Local number CAR-21.

LOCATION.--Lat 39°59'19", long 86°01'59", in NE¹/₄SE¹/₄SE¹/₄ sec.23, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, south side of Connor Lane, 0.5 mi west of Allisonville Road, on Connor Prairie Museum property.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in., depth 23.9 ft, cased to 20.9 ft, screened to 23.9 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 744.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 1.60 ft above land-surface datum.

REMARKS.--Water level may be affected by river stage in White River, which is located 400 ft north of the well.

PERIOD OF RECORD.--55 entries from November 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 8.03 ft below land-surface datum, December 2, 1992; lowest, 14.11 ft below land surface datum, October 26, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2003 AND 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 18, 2003	10.55	APR 26, 2004	10.84	AUG 16, 2004	12.37

395837086045701. Local number CAR-26.

LOCATION.--Lat 39°58'37", long 86°04'57", in NW¹/₄NE¹/₄SW¹/₄ sec.28, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, in northwest part of Clay Jr. High School property, near southeast corner of private property, west of School Administration Building.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 1.5 in., depth 63.3 ft, cased to 60.3 ft, screened to 63.3 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 777.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 3.0 ft above land-surface datum.

REMARKS.--Water level may be affected by nearby production wells.

PERIOD OF RECORD.--54 entries from April 1976 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 11.76 ft below land-surface datum, April 27, 1978; lowest, 24.75 ft below land surface datum, September 7, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2003 AND 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 18, 2003	20.67	APR 26, 2004	17.95	AUG 16, 2004	19.24

GROUND-WATER LEVELS FOR THE ALLUVIAL AQUIFER NEAR THE CITY OF CARMEL, HAMILTON COUNTY NETWORK--Continued

395830086044701. Local number CAR-27.

LOCATION.--Lat 39°58'30", long 86°04'47", in SE¹/₄NE¹/₄SW¹/₄ sec.28, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on Clay Jr. High School property, well in tree line on east property line, at north end of football and track field.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 2.0 in., depth 62.5 ft, cased to 59.5 ft, screened to 62.5 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 783.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 3.5 ft above land-surface datum.

REMARKS.--Water level may be affected by nearby production wells.

PERIOD OF RECORD.--54 entries from April 1976 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 23.12 ft below land-surface datum, June 4, 1986; lowest, 39.02 ft below land surface datum, September 23, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2003 AND 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 18, 2003	36.65	APR 26, 2004	30.04	AUG 16, 2004	31.34

95954086040001. Local number CAR-30.

LOCATION.--Lat 39°59'54", long 86°04'00", in SE¹/₄NW¹/₄NW¹/₄ sec.22, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, approximately 1000 ft east of Hazel Dell Road at the Hazel Dell Christian Church, 14500 Hazel Dell Road.
Owner: U.S. Geological Survey.

AQUIFER.--Sand zone in till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 2.0 in., depth 48.0 ft, cased to 15.0 ft, screened to 20.0 ft.

INSTRUMENTATION.--None

DATUM.--Elevation of land-surface datum is 772.31 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 0.25 ft below ground level.

REMARKS.--Replaces well CAR-22 which was destroyed in 1994.

PERIOD OF RECORD.-- 4 entries from September 2002 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 6.95 ft below land-surface datum, March 18, 2003; lowest, 8.46 ft below land surface datum, August 19, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2003 AND 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 18, 2003	6.95	APR 26, 2004	7.80	AUG 19, 2004	8.46

**GROUND-WATER LEVELS FOR THE ALLUVIAL AQUIFER NEAR THE CITY OF CARMEL, HAMILTON
COUNTY NETWORK--Continued**

400000086030301. Local number CAR-31.

LOCATION.--Lat 40°00'00", long 86°03'03", in NW¹/₄NW¹/₄NW¹/₄ sec.23, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, well is 20 ft south of 146th Street, and 200 ft east of section line.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Bored water-table well, diameter 2.0 in., depth 20.0 ft, cased to 15.0 ft, screened to 20.0 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 755.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 0.40 ft below ground level.

REMARKS.--Replaces well CAR-23 which was removed in May 2000.

PERIOD OF RECORD.-- 4 entries from September 2002 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 7.80 ft below land-surface datum, April 26, 2004; lowest, 14.67 ft below land surface datum, April 26, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS 2003 AND 2004.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 18, 2003	11.16	APR 26, 2004	14.67	AUG 16, 2004	14.10
